



User's Manual Client Unit, Nimbie Chorus Expandable Automated Disc Duplicating System (Model: NB15/NB15-BR Series)

IMPORTANT SAFETY INSTRUCTIONS

For your safety, basic precautions should always be followed to reduce risk or damage, electric shock, fire, and personal injury. This includes the following:

Read this manual carefully and follow all warnings and instructions.

- Do not expose this unit to direct sunlight, rain, moisture, water, flammable materials, gas, dust, dirt, smoke, pollution or abrupt humidity changes.
- Place this device on a steady level surface in an air-conditioned environment with sufficient ventilation. Do not move this device while the power is on. Handle with care.
- This device generates heat during the duplication process. Out-of-specification or unstable power supply may cause overheating, low productivity, increased failure rate, and damage to the device.
- Only use the NimbieCable that comes with your unit to connect the NB15 (Client unit) to the NBCH07 (Master unit).
- Do not attempt to disassemble this device or touch any of the moving parts. Refer to qualified service personnel. Unauthorized disassembly or repair will void all warranty.

PREFACE

Congratulations on purchasing Nimbie NB15, a Client unit to connect with Nimbie Chorus Master unit (NBCH07) for multiple-drive optical disc duplication operation.

Nimbie NB15 is an integrated device with built-in optical disc recorder and autoloaders. Depending on the model of your purchase, it may come with a CD/DVD (NB15) or Blu-ray recorder (NB15-BR). Its enclosure protects 30 discs from dust. With the lid open and the extension rods attached, it has 100-disc capacity. During operation session Nimbie NB15 can detect faulty discs and reject them to the bottom of the unit.

Please read this manual carefully to understand the basic operations and maintenance before using Nimbie NB15. For functional operation, refer to the user's manual of Nimbie Chorus Master unit.

UNPACKING NIMBIE NB15

Before opening the package, carefully inspect for any damage. If there is any sign of damage, contact the shipping company and your local dealer immediately.

Save the packing materials in case you need to ship or return your product. The original packaging will ensure the product is protected during transportation. Returning goods without the original packaging may not protect the product during transportation, and will void your warranty.

Package Contents

The items listed below should be included in the package:

- One Nimbie NB15 (or NB15-BR) unit
- One NimbieCable (connecting NB15 to a Nimbie Chorus Master unit)
- One spindle box (serves as the Finish Disc Bin)
- Three extension rods (attached to the underside of Nimbie's lid)

- One alignment pad (serves to locate the Finish Disc Bin)
- Four detachable legs (serves to raise Nimbie unit for the room of discs)
- This operation manual

A LOOK OF NIMBIE NB15

The figure to the right shows Nimbie with a spindle box in front of it to collect and stack finished discs.

- Lid (Blank Disc Storage)**
Open the lid to access the blank disc storage area.

- Control Panel**
Located on the top front of Nimbie, the control panel contains the LED indicators and operation buttons.

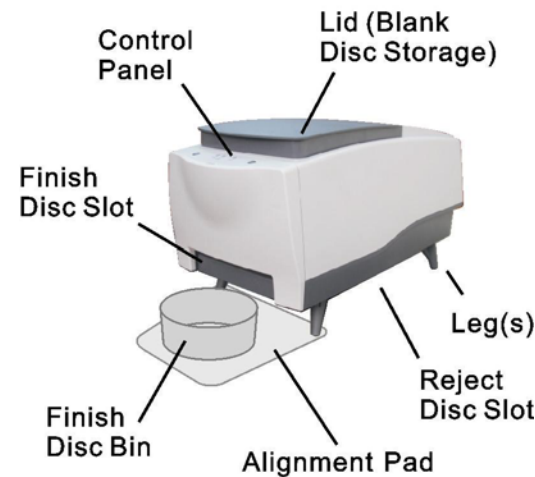
- Detachable Legs**
Use the four legs included with your Nimbie to provide space underneath for rejected discs.

- Reject Disc Slot**
Rejected discs will slide out from the Reject Disc Slot to the bottom of the unit. Always allow space beneath Nimbie to accommodate rejected discs.

- Finish Disc Slot**
Finished discs will exit from this slot.

- Finish Disc Bin**
This bin serves as the storage container for receiving and stacking completed discs. As illustrated, a spindle box serves as a Finish Disc Bin.

- Alignment Pad**
Use the pad to appropriately position the Finish Disc Bin under the Finish Disc Slot.



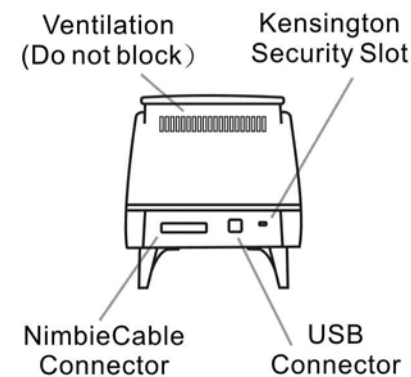
The Rear View

- NimbieCable Connector**
Plug one end of NimbieCable to this connector and plug the other end to the Master unit.

- USB Connector**
Reserved for firmware upgrade purpose only.

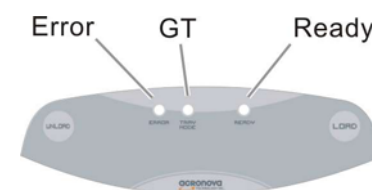
- Ventilation**
Allow heat to release. Do not block these holes otherwise the burning quality may decrease or the unit may overheat or damaged.

- Kensington Security Slot**
Security lock anti-theft system.



The Control Panel

There are operation buttons and LED indicators on Nimbie NB15's control panel as illustrated to the right. The Load/Unload buttons are currently reserved for future use.



LED Indicator Definitions

The LED indicator shows the Nimbie NB15's current status. When turned on, Nimbie will enter initialization indicated by a flashing green ready light. When initialization is complete, the ready light will change to steady green. The table below describes the meanings of the LED indicator.

Error	GT	Ready	Description of the current status
●	●	●	Power off
●	⇒	⇒	Device Initialization
●	●	○	Ready
●	●	⊙	No Disc in Loader
⊙	●	●	Error

○: Lit ●: Off ⊙: Flash ⇒: Running

NIMBIE NB15 INSTALLATION

Finding a Place for Nimbie

Nimbie should be placed on a fairly level surface, firm enough to support the unit and discs. Always allow ample workspace for your operation, with easy access to the blank and finished discs.

Do not expose the unit to direct sunlight or high humidity, as it may cause the unit to malfunction.

Nimbie can be placed on a raised block to process 100 or more discs in one session. See the "More Than 30 Discs in One Session" section.

Using the Detachable Legs

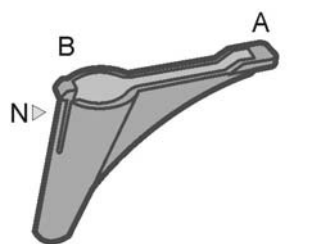
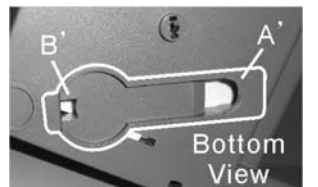
Nimbie is designed to work either with or without detachable legs. Without the legs, the Reject Disc Slot (recession) on Nimbie's base will hold up to 3 rejected discs.

If your application doesn't involve rejected discs, you may use Nimbie without the legs. It is, however, recommended to use the legs when possible.

The legs will raise Nimbie and provide a sufficient room to accommodate additional rejected discs, and to get easier access to rejected discs as well.

Attaching legs to Nimbie is simple. Inserting one leg after another on Nimbie's base, match the leg to Nimbie (A to A') and gently snap the leg into the receptacle (B to B') until it is firmly attached.

To remove the legs, gently press the notch (N) and pull it outward from the receptacle (B').



Nimbie Hardware Installation

Follow the steps below to complete Nimbie's hardware installation:

- Place Nimbie on level surface so that it stands firmly on its legs.
- Place the spindle box that comes with the unit in front of Nimbie. Use the alignment pad to appropriately position the spindle box under the Finish Disc Slot.
- Use the NimbieCable that comes with the unit to connect Nimbie to the Nimbie Chorus Master unit.

You have now successfully completed the installation of Nimbie device.

Sleep Mode of Nimbie NB15

Nimbie NB15 is designed to work under the control of Nimbie Chorus Master unit. If the sleep mode is enabled from the Master unit, it will enter sleep mode when the system is idle after a certain period of time. The Master unit will wake up the Client unit when the user presses any button on the Master unit.

You may hot-plug NB15 onto the Nimbie Chorus System; the Master unit will detect the newly connected Client unit automatically. You may unplug any NB15 from the Master Unit when it is working. Refer to the user manual of Nimbie Chorus Master unit for detailed information.

APPENDIX

Tips for Handling Optical Discs

Never touch the printable or data surface of the disc, as it may decrease quality and disc lifespan. Refer to the arrows on the illustration to the right, always handle discs



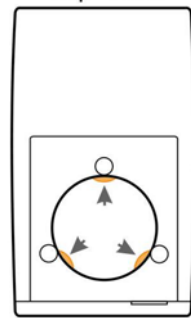
Top-View

from the outer edge or the center hole.

Important Tips for Loading Discs to Nimbie

When the disc loader is empty, do not attempt to load many discs at once.

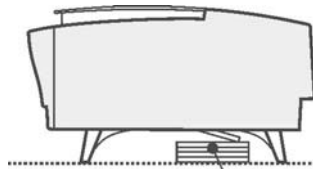
First, carefully load one disc into the disc loader and assure it is firmly resting on the three wheels seen in the illustration to the right. Then, gradually load additional discs on top of the first one, until the loader is full.



Nimbie processes discs in a First In, First Out (FIFO) sequence. During a duplication session, if a disc refill is required, before the loader becomes empty, gently load additional discs.

Rejected Discs

Nimbie is designed to have Rejected Discs come out underneath the unit. Do not block the Reject Disc Slot.



Rejected discs come out beneath the unit

Periodically remove rejected discs so that there is room to accommodate more discs.

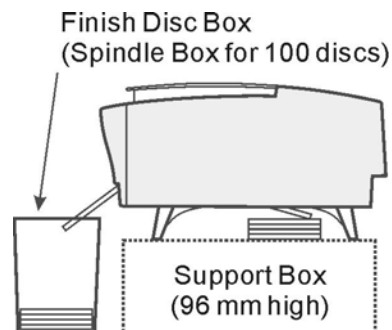
Important:

Nimbie will stop operation if rejected discs jam the Reject Disc Slot.

More Than 30 Discs in One Session

Nimbie can process 100 or more discs without refilling. To do this, follow the instructions below:

- 1) Open the Blank Disc Storage Lid.
- 2) Remove the extension rods from the lid's underside.
- 3) One after another insert the rods into the three holes on the disc loader, then, gently turn the rods counterclockwise to make sure they are firmly attached;
- 4) Use a suitable box to raise Nimbie approximately 96 mm high to account for the output of 100 or more discs.
- 5) Use the alignment pad to appropriately position the Finish Disc Bin below the Finish Disc Slot.



The Finish Disc Bin may be a spindle box or a container with enough depth to accommodate 100 or more discs in a session.

Since Nimbie is equipped with a FIFO (First-In-First-Out) disc loader, you may simply refill discs before the disc loader becomes empty. This will allow an unlimited number of additional discs to be processed in one session, as long as the Finish Disc Bin is continually emptied.

To remove the extension rods from the disc loader, turn the rods clockwise and pull them upward vertically. When not using the rods, return them to their original position on the lid's underside.

Nimbie Maintenance

Periodically cleaning the device will ensure proper performance. Follow the steps below to maintain Nimbie:

Turn off the Nimbie Chorus System; the Nimbie Client unit will also be powered off accordingly.

- 1) Remove all discs from the blank disc storage.
- 2) Clean the Nimbie unit using a lint-free cloth moistened with warm water.
- 3) Dry the unit immediately with a dry lint-free cloth.

WARRANTY

Limited Warranty (North America): The information contained in this document is subject to change without notice. Acronova Technology Inc. makes no warranty of any kind with respect to this information.

Acronova Technology Inc. guarantees this device for a period of one year from the date of delivery, free from defects in material and workmanship. In case of malfunction or fault, Acronova Technology Inc. will, at its option, repair or replace the product.

You must return the defective product, protected in the original packaging, with a valid RMA number, to an authorized dealer or reseller within the warranty period accompanied with the proof of purchase.

This warranty only covers parts made by Acronova Technology Inc. For parts made by other manufacturers, such as disc recorders, the original manufacturer's warranty applies.

This warranty will not cover abuse, misuse, alteration, modification, tampering, negligence, faulty installation, accidents, lack of reasonable care, unauthorized repairs or service, or if installed to any device not provided with the product, or if the serial number label provided with this product has been broken or removed.

This warranty does not cover damages that occur in shipment, due to acts of God. All repairs and replacement services shall only be handled by Acronova Technology Inc, and by authorized service centers. Parts used for replacement are covered only for the remainder of the warranty period.

Acronova Technology Inc. disclaims all implied warranties on this product, including without limitation warranties of merchantability, performance, and fitness for a particular purpose.

In no event will Acronova Technology Inc. be liable for direct, indirect, special, incidental, tort, economic, contingent or consequential damages resulting from any defect in this product or its documentation, including, without, limitation, damages or costs relating to the loss of data, profits, business or goodwill, even if Acronova Technology Inc., its authorized dealers or resellers have advertised the possibilities of such damages. In no case shall Acronova Technology Inc.'s liability exceed the amount paid by the user of this product out of which such claim arose.

Any written or oral information or advice given by the dealer, reseller, agent, sales representative, or employee of Acronova Technology Inc. will in no way increase the scope of this warranty nor should you rely on such oral or written communication.

FCC REGULATIONS

This equipment has been tested and founded to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy. If this equipment is not installed and used according to the instructions, it may cause damaging to the radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase separation between equipment and receiver.
- Connect equipment to an outlet on a circuit different from that to which the receiver is located.
- Consult your dealer or an experienced radio/TV technician.

Any changes or modifications to this device that are not expressly approved could void the user's authority to operate this equipment.

Use of a shielded interface cable is required to comply with the Class A limits of Part 15 of FCC rules.

SPECIFICATIONS

Disc Recorder	One CD/DVD recorder (NB15); One Blu-ray/CD/DVD recorder (NB15-BR)
Input Capacity:	30 discs; 100 discs or more using extension rods (increased capacity using non-stop refill)
Output Capacity:	Dependent capacity (completed discs are placed in front of the unit, in a separate container, or Disc Storage Bin)
Reject Disc:	3 discs without legs; 30 discs using legs
Write Speed:	CD-R: 40X; CD-RW: 32X; DVD±R: 18X; DVD±R Dual: 10X; DVD-RW: 6X; DVD+RW: 8X; (NB15-BR: Blu-ray: 4X or higher)
Control Panel:	LED Status Indicators
Disc Size:	120 mm in diameter
Operation:	Temperature: 42°F to 86°F (6°C to 30°C) Humidity: 5% to 85%, no condensation
Certification:	CE and FCC
Dimensions:	7-3/4" x 8-1/2" x 15-3/8"; 19.5 x 21.3 x 39 cm
Weight:	2.7 kg; 6 lbs (varies upon configuration)
Power:	Supplied from the Nimbie Chorus Master unit (NBCH07) using the NimbieCable

*Specifications are subject to change without notice.

For technical support and assistance, firstly contact your local dealer. For additional information regarding optical disc duplication, printing, and management please visit our website at <http://www.acronova.com>. We value your comments and suggestions and thank you for purchasing our products

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